Master of Computing Technology (MCTN) - MCTN

CRICOS code (International applicants): 083407A

Programs at USQ regularly undergo a comprehensive re-accreditation process to assure their relevance and quality. This program is currently being re-accredited and, as a consequence, is likely to undergo some changes. Full details will be made available when it is approved. If you have any questions, please contact us.

	On-campus	External
Semester intake:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July)
Campus:	Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	2 years full-time, 4 years part-time, 6 years maximum	
Program articulation:	From: Graduate Diploma of Information Technology; Graduate Certificate of Science To: Doctor of Philosophy	

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Professional accreditation

This program is accredited at professional level by the Australian Computer Society (ACS) and, through the Seoul Accord, is recognised in other countries. The Seoul Accord is a multi-lateral agreement that allows ACS accreditation to be recognised globally. This means that graduates from this program will have their degree recognised by the other countries who are members of the Accord.

Program aims

The Master of Computing Technology aims to produce graduates coming from any discipline who can work as web information professionals, system and network administrators, database administrators, database designers, IT managers or software engineers.

Program objectives

At the completion of the Master of Computing Technology program, graduates should be able to:

- apply concepts of professionalism and ethical practice to the IT work environment
- apply knowledge and skills in IT to design, manage and develop software systems and networks in an effective manner
- solve IT related problems and be able to acquire new skills independently
- apply project management principles and use project management tools

- effectively communicate (both written and verbally) and use appropriate interpersonal skills, particularly teamwork
- identify, collect, analyse and manage information for a broad range of information technology issues and challenges.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 09. Graduates at this level will have specialised knowledge and skills for research, and/or professional practice and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university three year Bachelor degree in any area, or equivalent
  Or
  equivalent professional work experience, as determined through the Credit and Exemption Procedure. And in either case:
- Demonstrated introductory knowledge of computing, consistent with that found in MAT1101 Discrete Mathematics for Computing **and** CSC1401 Foundation Programming **and** CIS1000 Information Systems Concepts.
- English Language Proficiency requirements for Category 2.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Commonwealth supported place
A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Finder.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place
Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Finder.

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, via distance education/online. Students are able to calculate the fees for a particular course via the Course Fee Finder.

Program structure

Master of Computing Technology (MCTN) consists of 16 units. All students must complete:

- one coursework specialisation (12 units)
- one research specialisation (4 units)

Coursework specialisations

- **Software and the Web**
    - two core courses - CSC8600 Advanced ICT Professional Project and CIS8010 Information Systems Project Management
    - ten specialisation courses

- **Networking and System Security**
    - two core courses - CSC8600 Advanced ICT Professional Project and CIS8010 Information Systems Project Management
    - ten specialisation courses

- **Unspecified**
    - two core courses - CSC8600 Advanced ICT Professional Project and CIS8010 Information Systems Project Management
    - ten approved courses from Group 1, 2 and 3 courses subject to the following restrictions
        - no more than three units may be selected from Group 1 Level 2 courses
        - at least four units must be selected from Group 3 Level 8 courses
    - with approval of the Program Coordinator, no more than two units of courses at Level 2 may come from outside the following Group 1 CSC courses.

Research specialisations

- **Applied Research**
    - three research training courses - SCI4405 Research Practice and Ethics , SCI8101 Science in Practice and CSC8001 Introduction to Data Science and Visualisation
    - one additional Level 8 approved course (from Group 2 or 3)
    - Note: Upon graduation, students will not be eligible for enrolment in USQ's Doctor of Philosophy (PhD) program.

- **Advanced Research**
    - to be eligible to enrol, students must have completed 8 units of course

Articulation

Upon successful completion of the GDTI Graduate Diploma of Information Technology or GCSC Graduate Certificate of Science, students may articulate into the Master of Computing Technology (MCTN) with up to a maximum of eight units of credit in accordance with the MCTN requirements.

Students may apply to enrol in the USQ Doctor of Philosophy (PhD) program or the USQ Doctor of Applied Science upon completion of the Master of Computing Technology, Advanced Research specialisation, if they have achieved an overall GPA of 5.5 or higher.

Students who have completed the Master of Computing Technology, Applied Research specialisation, will not be eligible for enrolment into any USQ higher degree research award such as the Doctor of Philosophy (PhD) program or the USQ Doctor of Applied Science program.

Exit points

Students enrolled in the MCTN program who wish to exit without completing the program may be awarded:

- the Graduate Diploma of Professional Computing (GDPC) if they have completed at least eight units, including 4 units at Level 8, (excluding exemptions and credit transfers); **or**
- the Graduate Certificate of Professional Computing (GCPC) if they have completed at least four units, including 2 units at Level 8, (excluding exemptions and credit transfers) in accordance with the GCPC requirements.

Credit

Candidates for admission to the Master of Computing Technology program are eligible to seek credit, in accordance with University regulations. The maximum number of credits permitted will be four (4) undergraduate units and four (4) postgraduate units from group 2 courses listed in the Program Structure. Studies used as the basis for claims for credit will normally have been completed within a period of five years prior to the date of application for credit.

Students seeking Skills Accreditation, or other accreditations from professional bodies such as the Australia Computer Society, should seek advice from the professional bodies before they apply for credits or exemptions.

Enrolment

Students should select their own courses, using the list provided at Program structure keeping in mind the requirements to graduate outlined also in the Program structure. If unsure about a suitable enrolment pattern, students should contact the Program Coordinator.

Students wishing to specialise should follow one of the recommended enrolment patterns below.

Software and the Web specialisation recommended enrolment pattern - Semester 1 entrythe